

## CLAIMS

1. A computer-implemented method for satisfying a purchase requisition, the method comprising:

receiving, from each of a plurality of candidate suppliers, a corresponding plurality of bids;

receiving, from at least one candidate supplier, an offer of a business-volume discount that is triggered when an aggregate purchase of at least one unit of a first qualifying item and at least one unit of a second qualifying item is within a defined volume interval; and

determining an optimal award schedule for satisfaction of the purchase requisition.
2. The method of claim 1, wherein receiving a business-volume discount offer comprises receiving a business-volume discount offer in which a business-volume discount is triggered on the basis of purchases of items belonging a first category of items and no business-volume discount is triggered on the basis of purchases of items belonging to a second category of items.
3. The method of claim 2, wherein receiving a corresponding plurality of bids comprises receiving, from the at least one candidate supplier, a first bid in which each item recited in the first bid belongs to no more that one item-category.
4. The method of claim 2, wherein receiving a corresponding plurality of bids comprises receiving, from the at least one candidate supplier, a first bid in which at least one item recited in the first bid belongs to both a first item-category and a second item-category.
5. The method of claim 4, wherein determining an optimal award schedule comprises constraining the optimal award schedule such that a purchase of the at least one qualifying item contributes to a business volume discount associated with at most one of the first and second item-categories.

6. The method of claim 1, wherein receiving an offer of a business-volume discount comprises receiving a business-volume discount offer that defines a plurality of volume intervals, each of the volume intervals being associated with a corresponding discount to be offered when the volume of an aggregate purchase of at least two qualifying items from the at least one candidate supplier is within the volume interval.
7. The method of claim 1, wherein receiving an offer of a business-volume discount comprises receiving a business-volume discount offer in which the defined volume interval has a lower bound defined by a volume threshold and no upper bound.
8. A computer-readable medium having encoded thereon software for satisfying a purchase requisition, the software comprising instructions for:
  - receiving, from each of a plurality of candidate suppliers, a corresponding plurality of bids;
  - receiving, from at least one candidate supplier, an offer of a business-volume discount that is triggered when an aggregate purchase of at least one unit of a first qualifying item and at least one unit of a second qualifying item is within a defined volume interval; and
  - determining an optimal award schedule for satisfaction of the purchase requisition.
9. The computer-readable medium of claim 8, wherein the instructions for receiving a business-volume discount offer comprise instructions for receiving a business-volume discount offer in which a business-volume discount is triggered on the basis of purchases of items belonging a first category of items and no business-volume discount is triggered on the basis of purchases of items belonging to a second category of items.

10. The computer-readable medium of claim 9, wherein the instructions for receiving a corresponding plurality of bids comprise instructions for receiving, from the at least one candidate supplier, a first bid in which each item recited in the first bid belongs to no more than one item-category.
11. The computer-readable medium of claim 9, wherein the instructions for receiving a corresponding plurality of bids comprise instructions for receiving, from the at least one candidate supplier, a first bid in which at least one item recited in the first bid belongs to both a first item-category and a second item-category.
12. The computer-readable medium of claim 11, wherein the instructions for determining an optimal award schedule comprise instructions for constraining the optimal award schedule such that a purchase of the at least one qualifying item contributes to a business volume discount associated with at most one of the first and second item-categories.
13. The computer-readable medium of claim 8, wherein the instructions for receiving an offer of a business-volume discount comprise instructions for receiving a business-volume discount offer that defines a plurality of volume intervals, each of the volume intervals being associated with a corresponding discount to be offered when the volume of an aggregate purchase of at least qualifying two items from the at least one candidate supplier is within the volume interval.
14. The computer-readable medium of claim 8, wherein the instructions for receiving an offer of a business-volume discount comprise instructions for receiving a business-volume discount offer in which the defined volume interval has a lower bound defined by a volume threshold and no upper bound.